

19911

1 of 4

SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 1/26/2006 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date	8/19/06	Serial #	10/60,597	Priority Application Date	12/27/02
Your Name	M. Mims			Examiner #	73177
AU	2827	Phone	772-1838	Room	5030

In what format would you like your results? Paper is the default. PAPER DISK EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPTO DWPI EPO Abs JPO Abs IBM TDB
Other:

Need before 8/26

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs _____ Nonpatent Literature _____ Teaching Refs _____
Secondary Refs _____ Foreign Patents _____ Other _____**Is this a "Fast & Focused Search" request? (Circle One) YES NO**A "Fast & Focused Search" is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-pattr-2/siraapps/stic/npl/nplsearch.htm>

What is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 5824-38

Problem: See pages 1-4

Solution: " " 5-7

45 5,665,951 2004/09/09 547
4,492,661

Staff Use Only	Type of Search	Vendors
Searcher: M. Mims	Structure (#)	STN _____
Searcher Phone: 25928	Bibliographic <input checked="" type="checkbox"/>	Dialog _____
Searcher Location: STIC-EIC2800, JEF-4B68	Litigation _____	Questel/Orbit _____
Date Searcher Picked Up: 8/22/06	Fulltext _____	Lexis-Nexis _____
Date Completed: 8/23/06	Patent Family _____	WWW/Internet _____
Searcher Prep/Rev Time: 3:00	Other _____	Other _____
Online Time: 109		

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=> d his full

(FILE 'HOME' ENTERED AT 09:53:45 ON 23 AUG 2006)

FILE 'REGISTRY' ENTERED AT 09:53:59 ON 23 AUG 2006

L1 204 SEA ABB=ON PLU=ON AU.SN/MF
L2 14 SEA ABB=ON PLU=ON AU SN/ELF
L3 49504 SEA ABB=ON PLU=ON IN/ELS
L4 376 SEA ABB=ON PLU=ON AG.AU/MF
L5 83 SEA ABB=ON PLU=ON AG AU/ELF
L6 633 SEA ABB=ON PLU=ON PB.SN/MF
L7 17 SEA ABB=ON PLU=ON PB SN/ELF
L8 49 SEA ABB=ON PLU=ON GA.N/MF
L9 120 SEA ABB=ON PLU=ON GA N/ELF

FILE 'CAPLUS' ENTERED AT 09:56:39 ON 23 AUG 2006

L10 226946 SEA ABB=ON PLU=ON (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7)

L11 28713 SEA ABB=ON PLU=ON (L8 OR L9)
L12 699180 SEA ABB=ON PLU=ON LED OR LIGHT EMIT? OR ?LUMINE? OR ?LUMINO?
OR EL OR PL OR PLED OR FLED OR OLED
L13 54094 SEA ABB=ON PLU=ON N(4W) (LAYER OR AREA OR REGION OR LAMINA?
OR IMPUR?)
L14 36821 SEA ABB=ON PLU=ON P(4W) (LAYER OR AREA OR REGION OR LAMINA?
OR IMPUR?)
L15 2907325 SEA ABB=ON PLU=ON ADHESIVE? OR ADHER? OR BIND? OR BOND? OR
RESIN? OR EXPOX?
L16 35022 SEA ABB=ON PLU=ON ACTIVE(4W) (AREA OR REGION OR SECTION OR
PART OR DOMAIN OR FIELD)
L17 3687 SEA ABB=ON PLU=ON L10(L)L15
L18 1 SEA ABB=ON PLU=ON L11 AND L12 AND L13 AND L14 AND L16 AND
L17
D IBIB ABS HITSTR HITIND
L19 10 SEA ABB=ON PLU=ON L11 AND L12 AND L13 AND L14 AND L17
L20 9 SEA ABB=ON PLU=ON L19 NOT L18
D IBIB ABS HITSTR HITIND 1-9

FILE 'INSPEC, COMPENDEX' ENTERED AT 10:10:10 ON 23 AUG 2006

FILE 'INSPEC' ENTERED AT 10:11:19 ON 23 AUG 2006

L21 356 SEA ABB=ON PLU=ON (AU BIN(S)SN BIN)/CHI
L22 372 SEA ABB=ON PLU=ON (AG BIN(S)AU BIN)/CHI
L23 2323 SEA ABB=ON PLU=ON (PB BIN(S)SN BIN)/CHI
L24 86850 SEA ABB=ON PLU=ON IN/CHI
L25 18750 SEA ABB=ON PLU=ON (GA BIN(S)N BIN)/CHI
L26 89698 SEA ABB=ON PLU=ON (L21 OR L22 OR L23 OR L24)
L27 3327 SEA ABB=ON PLU=ON L25 AND L26
L28 294089 SEA ABB=ON PLU=ON LED OR LIGHT EMIT? OR ?LUMINE? OR ?LUMINO?
OR EL OR PL OR PLED OR FLED OR OLED
L29 16530 SEA ABB=ON PLU=ON N(4W) (LAYER OR AREA OR REGION OR LAMINA?
OR IMPUR?)
L30 12557 SEA ABB=ON PLU=ON P(4W) (LAYER OR AREA OR REGION OR LAMINA?
OR IMPUR?)
L31 304038 SEA ABB=ON PLU=ON ADHESIVE? OR ADHER? OR BIND? OR BOND? OR
RESIN? OR EXPOX?
L32 24403 SEA ABB=ON PLU=ON ACTIVE(4W) (AREA OR REGION OR SECTION OR
PART OR DOMAIN OR FIELD)

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L33 0 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L29 AND L30 AND
L31 AND L32
L34 1 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L29 AND L30 AND
L31
D IALL
L35 15 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L29 AND L30
L36 14 SEA ABB=ON PLU=ON L35 NOT L34
D IALL 1-15

FILE 'INSPEC' ENTERED AT 10:25:40 ON 23 AUG 2006

FILE 'WPIX' ENTERED AT 10:26:43 ON 23 AUG 2006

L37 601885 SEA ABB=ON PLU=ON GOLD OR TIN OR AU OR SN OR IN OR INDIUM OR
SILVER OR AG OR PB OR LEAD
L38 112750 SEA ABB=ON PLU=ON L37 (L)L15
L39 268869 SEA ABB=ON PLU=ON LED OR LIGHT EMIT? OR ?LUMINE? OR ?LUMINO?
OR EL OR PL OR PLED OR FLED OR OLED
L40 33091 SEA ABB=ON PLU=ON N(4W) (LAYER OR AREA OR REGION OR LAMINA?
OR IMPUR?)
L41 28962 SEA ABB=ON PLU=ON P(4W) (LAYER OR AREA OR REGION OR LAMINA?
OR IMPUR?)
L42 1665836 SEA ABB=ON PLU=ON ADHESIVE? OR ADHER? OR BIND? OR BOND? OR
RESIN? OR EXPOX?
L43 26168 SEA ABB=ON PLU=ON ACTIVE(4W) (AREA OR REGION OR SECTION OR
PART OR DOMAIN OR FIELD)
L44 6230 SEA ABB=ON PLU=ON GAN OR GALLIUM NITRIDE OR GA NITRIDE
L45 8 SEA ABB=ON PLU=ON L38 AND L39 AND L40 AND L41 AND L42 AND
L43 AND L44
D IFULL 1-8

FILE 'DPCI' ENTERED AT 10:43:27 ON 23 AUG 2006

L46 2 SEA ABB=ON PLU=ON (US5665986 OR US6492661)/PN
L47 1 SEA ABB=ON PLU=ON US5665986/PN
SEL PN.D PN.G

FILE 'WPIX' ENTERED AT 10:49:32 ON 23 AUG 2006

L48 22 SEA ABB=ON PLU=ON (US6984840/PN OR US5218216/PN OR US5278433/
PN OR US5281830/PN OR US5369289/PN OR US5523589/PN OR US5578839
/PN OR US6030848/PN OR DE19725900/PN OR NOCITATIONS/PN OR
US5400740/PN OR US5834325/PN OR US5851905/PN OR US5863811/PN
OR US5909040/PN OR US5962875/PN OR US6031252/PN OR US6091083/PN
OR US6096130/PN OR US6177292/PN OR US6194742/PN OR US6274399/P
N OR US6559467/PN)

FILE 'DPCI' ENTERED AT 10:50:30 ON 23 AUG 2006

L49 1 SEA ABB=ON PLU=ON US6492661/PN

FILE 'WPIX' ENTERED AT 10:51:36 ON 23 AUG 2006

L50 0 SEA ABB=ON PLU=ON L48 AND L38 AND L44
D L48 TI 1-10
D L48 IALL 1-22
L51 87311 SEA ABB=ON PLU=ON SAPPHIRE OR AL2O3 OR (AL OR ALUMINIUM OR
ALUMINUM) (W) (OXIDE)
L52 1321880 SEA ABB=ON PLU=ON REMOV? OR (POLISH? OR TAKE? OR CUT?) (2W) (AW
AY OR OFF) OR WITHDRAW?
L53 7931 SEA ABB=ON PLU=ON L51(L)L52
L54 0 SEA ABB=ON PLU=ON 39 AND L40 AND L41 AND L44 AND L53

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L55 86 SEA ABB=ON PLU=ON L39 AND L44 AND L53
L56 16 SEA ABB=ON PLU=ON L38 AND L55
L57 14 SEA ABB=ON PLU=ON L56 NOT L45
L58 14 SEA ABB=ON PLU=ON L57 NOT L48
D IALL 1-14

FILE 'CAPPLUS' ENTERED AT 11:28:41 ON 23 AUG 2006
L59 605 SEA ABB=ON PLU=ON L10 AND L11 AND L12 AND L13 AND L14
L60 29910 SEA ABB=ON PLU=ON L51(L) L52
L61 7 SEA ABB=ON PLU=ON L59 AND L60
L62 6 SEA ABB=ON PLU=ON L61 NOT L19
D IBIB ABS HITSTR HITIND 1-6

FILE 'JAPIO, KOREAPAT' ENTERED AT 11:31:58 ON 23 AUG 2006
L63 231553 SEA ABB=ON PLU=ON L12
L64 55512 SEA ABB=ON PLU=ON L13
L65 45399 SEA ABB=ON PLU=ON L14
L66 1048749 SEA ABB=ON PLU=ON L15
L67 14428 SEA ABB=ON PLU=ON L16
L68 6903568 SEA ABB=ON PLU=ON L37
L69 3775 SEA ABB=ON PLU=ON L44
L70 494 SEA ABB=ON PLU=ON L63 AND L64 AND L65 AND L68 AND L69
L71 1445 SEA ABB=ON PLU=ON L53
L72 23 SEA ABB=ON PLU=ON L70 AND L71
L73 23 DUP REM L72 (0 DUPLICATES REMOVED)
D IALL 1-23

FILE 'INSPEC' ENTERED AT 11:38:56 ON 23 AUG 2006
L74 11 SEA ABB=ON PLU=ON L26 AND L27 AND L28 AND L53
L75 11 SEA ABB=ON PLU=ON L74 NOT L35
D IALL 1-11